

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 4, 2004, 04:22:20 ; Search time 23 Seconds

(without alignments)
105.497 Million cell updates/sec

Title: US-09-480-977-4

Perfect score: 277

Sequence: 1 HKPCRDKDLAVCLNDGECF.....SHKCRCKEGYGVRCDFL 47

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued_Patents_AA.*
2: /cgn2_6/prodata/2/1aa/5A_COMB.pep.*
3: /cgn2_6/prodata/2/1aa/5B_COMB.pep.*
4: /cgn2_6/prodata/2/1aa/6A_COMB.pep.*
5: /cgn2_6/prodata/2/1aa/6B_COMB.pep.*
6: /cgn2_6/prodata/2/1aa/PCUTS_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	277	100.0	47	3	US-08-899-437-4
2	277	100.0	47	3	US-08-899-437-8
3	277	100.0	47	3	US-09-126-121-4
4	277	100.0	47	3	US-09-126-121-8
5	277	100.0	48	4	US-09-553-766-6
6	277	100.0	360	3	US-08-899-437-7
7	277	100.0	360	3	US-09-126-121-7
8	277	100.0	362	3	US-08-899-437-3
9	277	100.0	362	3	US-09-126-121-3
10	277	100.0	696	3	US-08-899-437-23
11	277	100.0	696	3	US-09-126-121-23
12	277	100.0	713	3	US-08-899-437-2
13	277	100.0	713	3	US-09-126-121-2
14	277	100.0	720	3	US-08-899-437-6
15	277	100.0	720	3	US-09-126-121-6
16	116.5	42.1	52	1	US-08-417-640A-1
17	116.5	42.1	52	1	US-08-760-815-1
18	116.5	42.1	52	2	US-08-761-038-1
19	116.5	42.1	52	3	US-09-238-183-1
20	113.5	41.0	49	3	US-08-899-437-14
21	113.5	41.0	49	3	US-09-126-121-14
22	113.5	41.0	50	3	US-08-753-007A-12
23	113.5	41.0	50	3	US-09-398-496-12
24	113.5	41.0	52	1	US-08-417-640A-3
25	113.5	41.0	52	1	US-08-760-815-3
26	113.5	41.0	52	2	US-08-761-038-3
27	113.5	41.0	54	1	US-08-179-481-111

28	113.5	41.0	63	3	US-08-341-018-62	Sequence 62, Appl
29	113.5	41.0	63	3	US-08-470-335-221	Sequence 221, App
30	113.5	41.0	63	3	US-08-470-339-221	Sequence 221, App
31	113.5	41.0	63	4	US-08-467-602-415	Sequence 415, App
32	113.5	41.0	66	1	US-07-847-743B-10	Sequence 10, Appl
33	113.5	41.0	66	1	US-08-456-201-10	Sequence 10, Appl
34	113.5	41.0	66	2	US-08-456-241-10	Sequence 2, Appl
35	113.5	41.0	66	3	US-09-020-880-2	Sequence 2, Appl
36	113.5	41.0	66	4	US-09-101-544-2	Sequence 2, Appl
37	113.5	41.0	66	5	PCT-US92-04295A-10	Sequence 10, Appl
38	113.5	41.0	83	3	US-08-341-018-70	Sequence 70, Appl
39	113.5	41.0	83	3	US-08-470-335-225	Sequence 225, App
40	113.5	41.0	83	3	US-08-470-339-225	Sequence 225, App
41	113.5	41.0	83	4	US-08-467-602-419	Sequence 419, App
42	113.5	41.0	88	3	US-08-341-018-66	Sequence 68, Appl
43	113.5	41.0	88	3	US-08-470-335-224	Sequence 224, App
44	113.5	41.0	88	3	US-08-470-339-224	Sequence 224, App
45	113.5	41.0	88	4	US-08-467-602-418	Sequence 418, App

ALIGNMENTS

```
RESULT 1
US-08-899-437-4
; Sequence 4, Application US/08899437
; Patent No. 6121415
;
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
; TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
; NUMBER OF INVENTION: 23
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/899,437
; FILING DATE: 24-Jul-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Conley, Delandre L.
; REGISTRATION NUMBER: 36,487
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/952-9881
; TELEFAX: 650/225-2066
;
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 47 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
;
; FEATURES:
; NAME/KEY: NRG3 EGF-like domain/amino acid seq.
; LOCATION: 1-47
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
;
; US-08-899-437-4
;
; Query Match: 100.0%; Score 277, DB 3, Length 47;
; Best Local Similarity: 100.0%; Pred. No. 2.2e-26;
; Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Tue Jul 6 09:49:36 2004

us-09-480-977-4.rai

Page 2

Db 1 HFPCRDRLAYCLNDGECEVIEITLTGSHKCRCKEGYGVRCDOFL 47

RESULT 2

US-08-899-437-8

Sequence 8, Application US/08899437

Patent No. 6,212,145

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao

TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/899,437

FILING DATE: 24-Jul-1997

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Delidre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 47 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

FEATURE:

NAME/KEY: NR3 EGF-like domain/amino acid seq.

LOCATION: 1-47

IDENTIFICATION METHOD:

OTHER INFORMATION:

US-08-899-437-8

Query Match 100.0%; Score 277; DB 3; Length 47;

Best Local Similarity 100.0%; Pred. No. 2.2e-26;

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HFPCRDRLAYCLNDGECEVIEITLTGSHKCRCKEGYGVRCDOFL 47

Db 1 HFPCRDRLAYCLNDGECEVIEITLTGSHKCRCKEGYGVRCDOFL 47

RESULT 3

US-09-126-121-4

Sequence 4, Application US/09126121

Patent No. 6,252,051

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao

TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/126,121

FILING DATE: 30-Jul-1998

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Delidre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1D1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 47 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

FEATURE:

NAME/KEY: NR3 EGF-like domain/amino acid seq.

LOCATION: 1-47

IDENTIFICATION METHOD:

OTHER INFORMATION:

US-09-126-121-4

Query Match 100.0%; Score 277; DB 3; Length 47;

Best Local Similarity 100.0%; Pred. No. 2.2e-26;

Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HFPCRDRLAYCLNDGECEVIEITLTGSHKCRCKEGYGVRCDOFL 47

Db 1 HFPCRDRLAYCLNDGECEVIEITLTGSHKCRCKEGYGVRCDOFL 47

RESULT 4

US-09-126-121-8

Sequence 8, Application US/09126121

Patent No. 6,252,051

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao

TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/126,121

FILING DATE: 30-Jul-1998

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Delidre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1D1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 47 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

FEATURE:
NAME/KEY: NR93 EGF-like domain/amino acid seq.
LOCATION: 1-47
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-09-126-121-8

Query Match 100.0%; Score 277; DB 3; Length 47;
Best Local Similarity 100.0%; Pred. No. 2.2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFPCRDLDLAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 47
DB 1 HFPCRDLDLAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 47

RESULT 5
US-09-553-769-6
Sequence 6, Application US/09553769
Patent No. 6544759
GENERAL INFORMATION:
APPLICANT: Harari, Daniel
TITLE OF INVENTION: NOVEL GROWTH FACTOR WHICH ACTS THROUGH E2B-4 RECEPTOR TYROSINE K
FILE REFERENCE: 00/20522
CURRENT APPLICATION NUMBER: US/09/553,769
CURRENT FILING DATE: 2000-04-21
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6
LENGTH: 48
TYPE: PRT
ORGANISM: Mus musculus
US-09-553-769-6

Query Match 100.0%; Score 277; DB 4; Length 48;
Best Local Similarity 100.0%; Pred. No. 2.3e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFPCRDLDLAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 47
DB 2 HFPCRDLDLAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 48

RESULT 6
US-08-899-437-7
Sequence 7, Application US/08899437
Patent No. 6121415
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
FILE REFERENCE: 00/20522
CURRENT APPLICATION NUMBER: US/08/899,437
CURRENT FILING DATE: 2000-04-21
NUMBER OF SEQ ID NOS: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/899,437
FILING DATE: 2000-04-21
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 360 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: NR93 extracellular domain/amino acidseq
LOCATION: 1-360
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-08-899-437-7

Query Match 100.0%; Score 277; DB 3; Length 360;
Best Local Similarity 100.0%; Pred. No. 1.8e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFPCRDLDLAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 47
DB 286 HFPCRDLDLAYCLNDGECFVIEITLTGSHKRCCKEGYGVRCDOFL 332

RESULT 7
US-09-126-121-7
Sequence 7, Application US/09126121
Patent No. 6252051
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
FILE REFERENCE: 00/20522
CURRENT APPLICATION NUMBER: US/09/126,121
CURRENT FILING DATE: 2000-04-21
NUMBER OF SEQ ID NOS: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/126,121
FILING DATE: 2000-04-21
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 360 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: NR93 extracellular domain/amino acidseq
LOCATION: 1-360
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-09-126-121-7

Query Match 100.0%; Score 277; DB 3; Length 360;
Best Local Similarity 100.0%; Pred. No. 1.8e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFPCRDLDLAYCLNDGECFVITLTGSHKRCCKEGYGVRCDOFL 47
DB 286 HFPCRDLDLAYCLNDGECFVITLTGSHKRCCKEGYGVRCDOFL 332

RESULT 8

US-08-899-437-3

Sequence 3, Application US/08899437

Patent No. 6121415

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao

TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related

TITLE OF INVENTION: Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESS: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/899,437

FILING DATE: 24-Jul-1997

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Deirdre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 362 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

FEATURE: MNRG3 extracellular domain amino acid seq

NAME/KEY: MNRG3

LOCATION: 1-362

IDENTIFICATION METHOD:

OTHER INFORMATION:

US-08-899-437-3

Query Match 100.0%; Score 277; DB 3; Length 362;
Best Local Similarity 100.0%; Pred. No. 1.8e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFPCRDLDLAYCLNDGECFVITLTGSHKRCCKEGYGVRCDOFL 47
DB 286 HFPCRDLDLAYCLNDGECFVITLTGSHKRCCKEGYGVRCDOFL 334

RESULT 9
US-09-126-121-3
Sequence 3, Application US/09126121
Patent No. 6252051

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao

TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related

TITLE OF INVENTION: Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESS: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/126,121

FILING DATE: 30-Jul-1998

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Deirdre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1D1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 362 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

FEATURE: MNRG3 extracellular domain amino acid seq

NAME/KEY: MNRG3

LOCATION: 1-362

IDENTIFICATION METHOD:

OTHER INFORMATION:

US-09-126-121-3

Query Match 100.0%; Score 277; DB 3; Length 362;
Best Local Similarity 100.0%; Pred. No. 1.8e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFPCRDLDLAYCLNDGECFVITLTGSHKRCCKEGYGVRCDOFL 47
DB 286 HFPCRDLDLAYCLNDGECFVITLTGSHKRCCKEGYGVRCDOFL 334

RESULT 10
US-08-899-437-23
Sequence 23, Application US/08899437
Patent No. 6121415

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao

TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related

TITLE OF INVENTION: Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESS: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/899,437

FILING DATE: 24-Jul-1997

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Deirdre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:

LENGTH: 696 amino acids

TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: Human NR3B2
LOCATION: 1-696
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-08-899-437-23

Query Match 100.0%; Score 277; DB 3; Length 696;
Best Local Similarity 100.0%; Pred. No. 3.5e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDKLAYCLNDGECFVIELTGSNKGCRCKEGYGVRCDOFL 47
DB 286 HFKPCRDKLAYCLNDGECFVIELTGSNKGCRCKEGYGVRCDOFL 332

RESULT 11

US-09-126-121-23
Sequence 23, Application US/09126121
Patent No. 6252051

GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
TITLE OF INVENTION: Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/126,121
FILING DATE: 30-Jul-1998
CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-9881
TELEFAX: 650/225-2066
INFORMATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:
LENGTH: 696 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: Human NR3B2
LOCATION: 1-696
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-09-126-121-23

Query Match 100.0%; Score 277; DB 3; Length 696;
Best Local Similarity 100.0%; Pred. No. 3.5e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDKLAYCLNDGECFVIELTGSNKGCRCKEGYGVRCDOFL 47
DB 286 HFKPCRDKLAYCLNDGECFVIELTGSNKGCRCKEGYGVRCDOFL 332

RESULT 12
US-08-899-437-2

Sequence 2, Application US/08899437

Patent No. 6121415
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
TITLE OF INVENTION: Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/899,437
FILING DATE: 24-Jul-1997
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-9881
TELEFAX: 650/225-2066
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

FEATURE:
NAME/KEY: Mouse NR3 (mNR3)/amino acid seq.
LOCATION: 1-713
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-08-899-437-2

Query Match 100.0%; Score 277; DB 3; Length 713;
Best Local Similarity 100.0%; Pred. No. 3.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDKLAYCLNDGECFVIELTGSNKGCRCKEGYGVRCDOFL 47
DB 288 HFKPCRDKLAYCLNDGECFVIELTGSNKGCRCKEGYGVRCDOFL 334

RESULT 13

US-09-126-121-2
Sequence 2, Application US/09126121
Patent No. 6252051

GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
TITLE OF INVENTION: Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/126,121
FILING DATE: 30-Jul-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delirde L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: Mouse NRG3 (NRG3)/amino acid seq.
LOCATION: 1-713
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-09-126-121-2

Query Match 100.0%; Score 277; DB 3; Length 713;
Best Local Similarity 100.0%; Pred. No. 3.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKCRDKDLAYCLNDGECFVIEITLNGSHKRCCKEGYGVRCDOFL 47
DB 288 HFKCRDKDLAYCLNDGECFVIEITLNGSHKRCCKEGYGVRCDOFL 334

RESULT 14

US-08-899-437-6
Sequence 6, Application US/08899437
Patent No. 6121615
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Minipatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/899,437
FILING DATE: 24-Jul-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delirde L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 720 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: hNRG3b1 amino acid sequence
LOCATION: 1-720
IDENTIFICATION METHOD:
OTHER INFORMATION:

US-08-899-437-6

Query Match 100.0%; Score 277; DB 3; Length 720;
Best Local Similarity 100.0%; Pred. No. 3.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKCRDKDLAYCLNDGECFVIEITLNGSHKRCCKEGYGVRCDOFL 47
DB 286 HFKCRDKDLAYCLNDGECFVIEITLNGSHKRCCKEGYGVRCDOFL 332

RESULT 15

US-09-126-121-6
Sequence 6, Application US/09126121
Patent No. 6252051
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Minipatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/126,121
FILING DATE: 30-Jul-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delirde L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 720 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: hNRG3b1 amino acid sequence
LOCATION: 1-720
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-09-126-121-6

Query Match 100.0%; Score 277; DB 3; Length 720;
Best Local Similarity 100.0%; Pred. No. 3.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKCRDKDLAYCLNDGECFVIEITLNGSHKRCCKEGYGVRCDOFL 47
DB 286 HFKCRDKDLAYCLNDGECFVIEITLNGSHKRCCKEGYGVRCDOFL 332

Search completed: July 4, 2004, 04:30:10
Job time: 24 secs

Tue Jul 6 11:14:40 2004

us-09-480-977-4.rapb

Page 1

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using SW model

Run on: July 6, 2004, 11:02:17 ; Search time 379 Seconds

(without alignments)
38.602 Million cell updates/sec

Title: US-09-480-977-4

Perfect score: 277

Sequence: 1 HRPCKRDKDIAYCLNDECF.....SHKCRCKESYGQVCDQFL 47

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched:

1276540 seqs, 311283816 residues

Total number of hits satisfying chosen parameters:

1276540

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database:

Published Applications AA:*

1: /cgn2_6/ptodata/2/pubppa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/2/pubppa/PC7_NEM_PUB.pep:*

3: /cgn2_6/ptodata/2/pubppa/US06_NEM_PUB.pep:*

4: /cgn2_6/ptodata/2/pubppa/US07_NEM_PUB.pep:*

5: /cgn2_6/ptodata/2/pubppa/PC7US_PUBCOMB.pep:*

6: /cgn2_6/ptodata/2/pubppa/PC7US_PUBCOMB.pep:*

7: /cgn2_6/ptodata/2/pubppa/US08_NEM_PUB.pep:*

8: /cgn2_6/ptodata/2/pubppa/US08_PUBCOMB.pep:*

9: /cgn2_6/ptodata/2/pubppa/US09_PUBCOMB.pep:*

10: /cgn2_6/ptodata/2/pubppa/US09_PUBCOMB.pep:*

11: /cgn2_6/ptodata/2/pubppa/US09_PUBCOMB.pep:*

12: /cgn2_6/ptodata/2/pubppa/US10_PUBCOMB.pep:*

13: /cgn2_6/ptodata/2/pubppa/US10_PUBCOMB.pep:*

14: /cgn2_6/ptodata/2/pubppa/US10_PUBCOMB.pep:*

15: /cgn2_6/ptodata/2/pubppa/US10_PUBCOMB.pep:*

16: /cgn2_6/ptodata/2/pubppa/US10_PUBCOMB.pep:*

17: /cgn2_6/ptodata/2/pubppa/US10_PUBCOMB.pep:*

18: /cgn2_6/ptodata/2/pubppa/US10_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match length	ID	Description
1	277	100.0	47 9 US-09-817-647-4	Sequence 4, Appli
2	277	100.0	47 9 US-09-817-647-8	Sequence 8, Appli
3	277	100.0	47 9 US-09-817-665-4	Sequence 8, Appli
4	277	100.0	47 9 US-09-817-665-8	Sequence 8, Appli
5	277	100.0	47 13 US-10-136-573A-4	Sequence 4, Appli
6	277	100.0	47 13 US-10-136-573A-8	Sequence 4, Appli
7	277	100.0	47 14 US-10-215-862-4	Sequence 4, Appli
8	277	100.0	47 14 US-10-215-862-8	Sequence 4, Appli
9	277	100.0	48 16 US-10-240-411-6	Sequence 8, Appli
10	277	100.0	157 12 US-10-609-370-2	Sequence 2, Appli
11	277	100.0	360 9 US-09-817-647-7	Sequence 7, Appli
12	277	100.0	360 9 US-09-817-665-7	Sequence 7, Appli
13	277	100.0	360 13 US-10-136-573A-7	Sequence 7, Appli
14	277	100.0	360 14 US-10-215-862-7	Sequence 7, Appli
15	277	100.0	362 9 US-09-817-647-3	Sequence 3, Appli

16	277	100.0	362 9 US-09-817-665-3	Sequence 3, Appli
17	277	100.0	362 13 US-10-136-573A-3	Sequence 3, Appli
18	277	100.0	362 13 US-10-215-862-3	Sequence 3, Appli
19	277	100.0	696 9 US-09-817-647-23	Sequence 23, Appli
20	277	100.0	696 9 US-09-817-665-23	Sequence 23, Appli
21	277	100.0	696 13 US-10-136-573A-23	Sequence 23, Appli
22	277	100.0	696 14 US-10-215-862-23	Sequence 23, Appli
23	277	100.0	713 9 US-09-817-647-2	Sequence 2, Appli
24	277	100.0	713 9 US-09-817-665-2	Sequence 2, Appli
25	277	100.0	713 13 US-10-136-573A-2	Sequence 2, Appli
26	277	100.0	713 14 US-10-215-862-2	Sequence 2, Appli
27	277	100.0	720 9 US-09-817-647-6	Sequence 6, Appli
28	277	100.0	720 9 US-09-817-665-6	Sequence 6, Appli
29	277	100.0	720 12 US-10-609-370-22	Sequence 22, Appli
30	277	100.0	720 13 US-10-136-573A-6	Sequence 6, Appli
31	277	100.0	720 14 US-10-215-862-6	Sequence 6, Appli
32	113.5	41.0	49 9 US-09-817-647-14	Sequence 14, Appli
33	113.5	41.0	49 9 US-09-817-665-14	Sequence 14, Appli
34	113.5	41.0	49 13 US-10-136-573A-14	Sequence 14, Appli
35	113.5	41.0	49 14 US-10-215-862-14	Sequence 14, Appli
36	113.5	41.0	50 13 US-10-096-241-12	Sequence 12, Appli
37	113.5	41.0	53 12 US-10-609-370-17	Sequence 12, Appli
38	113.5	41.0	66 14 US-10-082-747A-2	Sequence 2, Appli
39	113.5	41.0	95 14 US-10-023-609-12	Sequence 12, Appli
40	113.5	41.0	99 9 US-09-795-668-35	Sequence 35, Appli
41	113.5	41.0	99 9 US-09-795-668-35	Sequence 35, Appli
42	113.5	41.0	99 9 US-09-946-807-35	Sequence 35, Appli
43	113.5	41.0	125 9 US-09-795-668-30	Sequence 30, Appli
44	113.5	41.0	125 9 US-09-795-668-30	Sequence 30, Appli
45	113.5	41.0	125 9 US-09-946-807-30	Sequence 30, Appli
46	113.5	41.0	456 9 US-09-795-668-17	Sequence 17, Appli
47	113.5	41.0	456 9 US-09-946-807-17	Sequence 17, Appli
48	113.5	41.0	462 16 US-10-408-765A-883	Sequence 883, App
49	113.5	41.0	632 9 US-09-795-668-16	Sequence 16, Appli
50	113.5	41.0	632 9 US-09-795-668-16	Sequence 16, Appli
51	113.5	41.0	632 9 US-09-946-807-16	Sequence 16, Appli
52	113.5	41.0	669 9 US-09-773-517-1	Sequence 1, Appli
53	113.5	41.0	669 9 US-09-792-025-1	Sequence 1, Appli
54	113.5	41.0	669 9 US-09-849-868-1	Sequence 1, Appli
55	113.5	41.0	669 14 US-10-022-609-11	Sequence 11, Appli
56	113.5	41.0	669 14 US-10-453-183-1	Sequence 1, Appli
57	113.5	41.0	669 13 US-10-096-241-13	Sequence 13, Appli
58	113.5	41.0	50 13 US-10-096-241-13	Sequence 13, Appli
59	111.5	40.3	56 14 US-10-082-747A-9	Sequence 9, Appli
60	111.5	40.3	64 14 US-10-082-747A-9	Sequence 9, Appli
61	111.5	40.3	66 14 US-10-082-747A-5	Sequence 5, Appli
62	111.5	40.3	81 14 US-10-082-747A-9	Sequence 9, Appli
63	111.5	40.3	422 13 US-10-082-747A-9	Sequence 9, Appli
64	110	39.7	47 16 US-10-096-241-9	Sequence 9, Appli
65	110	39.7	115 16 US-10-240-411-3	Sequence 3, Appli
66	109	39.4	90 16 US-10-240-411-15	Sequence 2, Appli
67	109	39.4	115 15 US-10-454-764-2	Sequence 15, Appli
68	108.5	39.2	50 8 US-08-736-019-152	Sequence 152, App
69	108.5	39.2	56 14 US-10-082-747A-100	Sequence 100, App
70	104.5	37.7	48 9 US-09-817-647-15	Sequence 15, Appli
71	104.5	37.7	48 9 US-09-817-665-15	Sequence 15, Appli
72	104.5	37.7	48 13 US-10-136-573A-15	Sequence 15, Appli
73	104.5	37.7	48 14 US-10-215-862-15	Sequence 15, Appli
74	104.5	37.7	50 13 US-10-096-241-14	Sequence 14, Appli
75	104.5	37.7	52 14 US-10-082-747A-92	Sequence 92, Appli
76	104.5	37.7	53 12 US-10-609-370-18	Sequence 18, Appli
77	104.5	37.7	56 14 US-10-082-747A-102	Sequence 102, App
78	104.5	37.7	63 14 US-10-082-747A-3	Sequence 3, Appli
79	104.5	37.7	65 14 US-10-082-747A-4	Sequence 4, Appli
80	104.5	37.7	65 14 US-10-082-747A-10	Sequence 10, Appli
81	104.5	37.7	65 14 US-10-082-747A-11	Sequence 11, Appli
82	104.5	37.7	65 14 US-10-082-747A-12	Sequence 12, Appli
83	104.5	37.7	71 14 US-10-082-747A-11	Sequence 11, Appli
84	104.5	37.7	99 9 US-09-795-668-36	Sequence 36, Appli
85	104.5	37.7	99 9 US-09-795-668-36	Sequence 36, Appli
86	104.5	37.7	99 9 US-09-946-807-36	Sequence 36, Appli
87	104.5	37.7	119 9 US-09-795-668-34	Sequence 34, Appli
88	104.5	37.7	119 9 US-09-795-668-34	Sequence 34, Appli

89 104.5 37.7 119 9 US-09-946-807-34 Sequence 34, Appl
90 104.5 37.7 129 9 US-09-795-668-33 Sequence 33, Appl
91 104.5 37.7 129 9 US-09-795-668-33 Sequence 33, Appl
92 104.5 37.7 129 9 US-09-946-807-33 Sequence 33, Appl
93 104.5 37.7 157 9 US-09-795-668-27 Sequence 27, Appl
94 104.5 37.7 157 9 US-09-795-668-27 Sequence 27, Appl
95 104.5 37.7 157 9 US-09-946-807-27 Sequence 27, Appl
96 104.5 37.7 175 9 US-09-795-668-24 Sequence 24, Appl
97 104.5 37.7 175 9 US-09-795-668-24 Sequence 24, Appl
98 104.5 37.7 192 9 US-09-946-807-24 Sequence 24, Appl
99 104.5 37.7 192 9 US-09-795-668-24 Sequence 24, Appl
100 104.5 37.7 192 9 US-09-795-668-26 Sequence 26, Appl

ALIGNMENTS

RESULT 1

US-09-817-647-4
Sequence 4, Application US/09817647
Patent No. US2002008229A1

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSER: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/817,647

FILING DATE: 26-Mar-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/107,979

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Delidre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1-2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 47 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

FEATURE:

NAME/KEY: NR3 EGF-like domain/amino acid seq.

LOCATION: 1-47

IDENTIFICATION METHOD:

OTHER INFORMATION:

SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-817-647-4

Query Match 100.0%; Score 277; DB 9; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFRPCDKDLAYCLNDGECFVETLTGSHKRCRCGCGVRCDOFL 47
DB 1 HFRPCDKDLAYCLNDGECFVETLTGSHKRCRCGCGVRCDOFL 47

RESULT 2

US-09-817-647-8

Sequence 8, Application US/09817647
Patent No. US2002008229A1

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSER: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/817,647

FILING DATE: 26-Mar-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/107,979

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Delidre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1-2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 47 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

FEATURE:

NAME/KEY: NR3 EGF-like domain/amino acid seq.

LOCATION: 1-47

IDENTIFICATION METHOD:

OTHER INFORMATION:

SEQUENCE DESCRIPTION: SEQ ID NO: 8:

US-09-817-647-8

Query Match 100.0%; Score 277; DB 9; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFRPCDKDLAYCLNDGECFVETLTGSHKRCRCGCGVRCDOFL 47
DB 1 HFRPCDKDLAYCLNDGECFVETLTGSHKRCRCGCGVRCDOFL 47

RESULT 3

US-09-817-665-4

Sequence 4, Application US/09877665
Patent No. US20020164680A1

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSER: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/877,665
FILING DATE: 08-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: NR3 EGF-like domain/amino acid seq.
LOCATION: 1-47
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-877-665-4
Query Match 100.0%; Score 277; DB 9; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26; Mismatches 0; Indels 0; Gaps 0;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 HFPCRDRLAYCLNDEGCFVIEITLTGSHKRCRCKEGYGVRCDOFL 47
DB 1 HFPCRDRLAYCLNDEGCFVIEITLTGSHKRCRCKEGYGVRCDOFL 47
RESULT 4
US-09-877-665-8
Sequence 8, Application US/09877665
Patent No. US20020164680A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/877,665
FILING DATE: 08-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: NR3 EGF-like domain/amino acid seq.
LOCATION: 1-47
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-877-665-8
Query Match 100.0%; Score 277; DB 9; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26; Mismatches 0; Indels 0; Gaps 0;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 HFPCRDRLAYCLNDEGCFVIEITLTGSHKRCRCKEGYGVRCDOFL 47
DB 1 HFPCRDRLAYCLNDEGCFVIEITLTGSHKRCRCKEGYGVRCDOFL 47
RESULT 5
US-10-136-573A-4
Sequence 4, Application US/10136573A
Publication No. US20020161200A1
GENERAL INFORMATION:
APPLICANT: Mark, Melanie Rose
APPLICANT: Godowski, Paul J.
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
Uses Therefor
FILE REFERENCE: P1084R1C2
CURRENT FILING DATE: 2002-04-29
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 4
LENGTH: 47
TYPE: PRT
ORGANISM: Homo sapiens
US-10-136-573A-4
Query Match 100.0%; Score 277; DB 13; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26; Mismatches 0; Indels 0; Gaps 0;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 HFPCRDRLAYCLNDEGCFVIEITLTGSHKRCRCKEGYGVRCDOFL 47
DB 1 HFPCRDRLAYCLNDEGCFVIEITLTGSHKRCRCKEGYGVRCDOFL 47
RESULT 6
US-10-136-573A-8
Sequence 8, Application US/10136573A
Publication No. US20020161200A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
Uses Therefor
FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A

CURRENT FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 8
LENGTH: 47
TYPE: PRT
ORGANISM: Homo sapiens
US-10-136-573A-8

Query Match 100.0%; Score 277; DB 13; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDLDAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDOFL 47
DB 1 HFKPCRDLDAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDOFL 47

RESULT 7
US-10-215-862-4
Sequence 4, Application US/10215862
Publication No. US20030036166A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
FILE REFERENCE: P1084R1D2C1
CURRENT FILING DATE: 2002-09-24
PRIOR FILING DATE: 1998-07-30
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 4
LENGTH: 47
TYPE: PRT
ORGANISM: Homo sapiens
US-10-215-862-4

Query Match 100.0%; Score 277; DB 14; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDLDAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDOFL 47
DB 1 HFKPCRDLDAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDOFL 47

RESULT 8
US-10-215-862-8
Sequence 8, Application US/10215862
Publication No. US20030036166A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
FILE REFERENCE: P1084R1D2C1
CURRENT FILING DATE: 2002-09-24
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 8
LENGTH: 47
TYPE: PRT
ORGANISM: Homo sapiens
US-10-215-862-8

PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 8
LENGTH: 47
TYPE: PRT
ORGANISM: Homo sapiens
US-10-215-862-8

Query Match 100.0%; Score 277; DB 14; Length 47;
Best Local Similarity 100.0%; Pred. No. 2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDLDAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDOFL 47
DB 1 HFKPCRDLDAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDOFL 47

RESULT 9
US-10-240-411-6
Sequence 6, Application US/10240411
Publication No. US20040121326A1
GENERAL INFORMATION:
APPLICANT: Harari, Daniel
APPLICANT: Yarden, Yosef
TITLE OF INVENTION: NOVEL GROWTH FACTOR WHICH ACTS THROUGH ERB B-4 RECEPTOR TYROSI
FILE REFERENCE: 01/21918
CURRENT FILING DATE: 2003-05-16
PRIOR FILING DATE: 2000-04-21
PRIOR APPLICATION NUMBER: US 09/553,769
PRIOR FILING DATE: 2000-04-21
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6
LENGTH: 48
TYPE: PRT
ORGANISM: Mus musculus
US-10-240-411-6

Query Match 100.0%; Score 277; DB 16; Length 48;
Best Local Similarity 100.0%; Pred. No. 2e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDLDAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDOFL 47
DB 2 HFKPCRDLDAYCLNDGECFVIEITLTSKHKCRCKEGYGVRCDOFL 48

RESULT 10
US-10-609-370-2
Sequence 2, Application US/10609370
Publication No. US2004048295A1
GENERAL INFORMATION:
APPLICANT: Young et al.
TITLE OF INVENTION: Heregulin-Like Factor
FILE REFERENCE: P9383D1
CURRENT FILING DATE: 2003-07-01
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 09/097,681
PRIOR FILING DATE: 1997-06-17
NUMBER OF SEQ ID NOS: 22
SOFTWARE: PatentIn version 3.2
SEQ ID NO 2
LENGTH: 157
TYPE: PRT
ORGANISM: Homo sapiens
US-10-609-370-2

Query Match 100.0%; Score 277; DB 12; Length 157;
Best Local Similarity 100.0%; Pred. No. 6.7e-26;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPRDMLAYCLNDGECFVETLTGSHKCRCKEGYGVRCDFL 47
DB 31 HFKPRDMLAYCLNDGECFVETLTGSHKCRCKEGYGVRCDFL 77

RESULT 11

US-09-817-647-7
Sequence 7, Application US/09817647
Patent No. US2002008229A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/817,647
FILING DATE: 26-Mar-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/107,979
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 360 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: hNRG3 extracellular domain/Amino AcidSeq
LOCATION: 1-360
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-817-647-7
Query Match 100.0%; Score 277; DB 9; Length 360;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 HFKPRDMLAYCLNDGECFVETLTGSHKCRCKEGYGVRCDFL 47
DB 286 HFKPRDMLAYCLNDGECFVETLTGSHKCRCKEGYGVRCDFL 332
RESULT 12
US-09-877-665-7
Sequence 7, Application US/09877665
Patent No. US2002016480A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related

NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/877,665
FILING DATE: 08-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 360 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: hNRG3 extracellular domain/Amino AcidSeq
LOCATION: 1-360
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-877-665-7

Query Match 100.0%; Score 277; DB 9; Length 360;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 HFKPRDMLAYCLNDGECFVETLTGSHKCRCKEGYGVRCDFL 47
DB 286 HFKPRDMLAYCLNDGECFVETLTGSHKCRCKEGYGVRCDFL 332
RESULT 13
US-10-136-573A-7
Sequence 7, Application US/10136573A
Publication No. US20020161200A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A
CURRENT FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 7
LENGTH: 360
TYPE: PRT

Tue Jul 6 11:14:40 2004

us-09-480-977-4.rapb

Page 6

ORGANISM: Homo sapiens
US-10-136-573A-7

Query Match 100.0%; Score 277; DB 13; Length 360;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 HFKCRDKDLAYCLNDGCEFYIETLTGSHKCRCKEGYGVRCDOFL 47
286 HFKCRDKDLAYCLNDGCEFYIETLTGSHKCRCKEGYGVRCDOFL 332

RESULT 14
US-10-215-862-7

Sequence 7, Application US/10215862
Publication No. US20030036166A1

GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
FILE REFERENCE: P1084R1DZCI
CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-30
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 7
LENGTH: 360
TYPE: PRT
ORGANISM: Homo sapiens
US-10-215-862-7

Query Match 100.0%; Score 277; DB 14; Length 360;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 HFKCRDKDLAYCLNDGCEFYIETLTGSHKCRCKEGYGVRCDOFL 47
286 HFKCRDKDLAYCLNDGCEFYIETLTGSHKCRCKEGYGVRCDOFL 332

RESULT 15
US-09-817-647-3

Sequence 3, Application US/09817647
Patent No. US20020082229A1

GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/817,647
FILING DATE: 26-Mar-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/107,979

FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:

NAME: Conley, Deirdre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1-2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 362 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

FEATURES:
NAME/KEY: mNRG3 extracellular domainamino acid seq

LOCATION: 1-362

IDENTIFICATION METHOD:

OTHER INFORMATION:

SEQUENCE DESCRIPTION: SEQ ID NO: 3:

Query Match 100.0%; Score 277; DB 9; Length 362;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 HFKCRDKDLAYCLNDGCEFYIETLTGSHKCRCKEGYGVRCDOFL 47
286 HFKCRDKDLAYCLNDGCEFYIETLTGSHKCRCKEGYGVRCDOFL 334

RESULT 16
US-09-877-665-3

Sequence 3, Application US/09877665
Patent No. US20020164680A1

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao

TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related

Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/877,665

FILING DATE: 08-Jun-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/109,206

FILING DATE: 30-Jun-1998

ATTORNEY/AGENT INFORMATION:

NAME: Conley, Deirdre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1084R1-1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-2066

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 362 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

FEATURE:
NAME/KEY: mNRG3 extracellular domainamino acid seq

LOCATION: 1-362
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-877-665-3

Query Match 100.0%; Score 277; DB 9; Length 362;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 HFKPCRDMLAYCLNDGECFVLETLTGSNHCRCRKGYGVRCDQFL 47
288 HFKPCRDMLAYCLNDGECFVLETLTGSNHCRCRKGYGVRCDQFL 334

RESULT 17
US-10-136-573A-3
Sequence 3, Application US/10136573A
Publication No. US20020161200A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: E2b8 Receptor-Specific Neuregulin Related Ligands and
FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A
PRIOR FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 3
LENGTH: 362
TYPE: PRT
ORGANISM: Mus musculus
US-10-136-573A-3

Query Match 100.0%; Score 277; DB 13; Length 362;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 HFKPCRDMLAYCLNDGECFVLETLTGSNHCRCRKGYGVRCDQFL 47
288 HFKPCRDMLAYCLNDGECFVLETLTGSNHCRCRKGYGVRCDQFL 334

RESULT 18
US-10-215-862-3
Sequence 3, Application US/10215862
Publication No. US20030036166A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: E2b8 Receptor-Specific Neuregulin Related Ligands and
FILE REFERENCE: P1084R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
PRIOR FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-30
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 3
LENGTH: 362
TYPE: PRT

ORGANISM: Mus musculus
US-10-215-862-3

Query Match 100.0%; Score 277; DB 14; Length 362;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 HFKPCRDMLAYCLNDGECFVLETLTGSNHCRCRKGYGVRCDQFL 47
288 HFKPCRDMLAYCLNDGECFVLETLTGSNHCRCRKGYGVRCDQFL 334

RESULT 19
US-09-817-647-23
Sequence 23, Application US/09817647
Patent No. US20020082229A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: E2b8 Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/817,647
FILING DATE: 26-Mar-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/107,979
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delandre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 696 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: Human NRG3B2
LOCATION: 1-696
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-817-647-23

Query Match 100.0%; Score 277; DB 9; Length 696;
Best Local Similarity 100.0%; Pred. No. 3.1e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 HFKPCRDMLAYCLNDGECFVLETLTGSNHCRCRKGYGVRCDQFL 47
286 HFKPCRDMLAYCLNDGECFVLETLTGSNHCRCRKGYGVRCDQFL 332

RESULT 20
US-09-877-665-23
Sequence 23, Application US/09877665
Patent No. US2002016460A1

GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/977,665
FILING DATE: 08-Jun-2001
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 696 amino acids
TYPE: Amino Acid
TOPOLOGY: linear
FEATURE:
NAME/KEY: Human NRG3B2
LOCATION: 1-696
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-877-665-23
Query Match 100.0%; Score 277; DB 9; length 696;
Best Local Similarity 100.0%; Pred. No. 3.1e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 HFKPCRDKLAVCLNDGECFVITLTGSHKRCCKEGYGVRCDOFL 47
DB 286 HFKPCRDKLAVCLNDGECFVITLTGSHKRCCKEGYGVRCDOFL 332
RESULT 21
US-10-136-573A-23
Sequence 23, Application US/10136573A
Publication No. US20020161200A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.,
Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
Uses Therefor
FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A
CURRENT FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23

SEQ ID NO 23
LENGTH: 696
TYPE: PRT
ORGANISM: Homo sapiens
US-10-136-573A-23
Query Match 100.0%; Score 277; DB 13; length 696;
Best Local Similarity 100.0%; Pred. No. 3.1e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 HFKPCRDKLAVCLNDGECFVITLTGSHKRCCKEGYGVRCDOFL 47
DB 286 HFKPCRDKLAVCLNDGECFVITLTGSHKRCCKEGYGVRCDOFL 332
RESULT 22
US-10-215-862-23
Sequence 23, Application US/10215862
Publication No. US2003003616A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.,
Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
Uses Therefor
FILE REFERENCE: P1084R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-30
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 23
LENGTH: 696
TYPE: PRT
ORGANISM: Homo sapiens
US-10-215-862-23
Query Match 100.0%; Score 277; DB 14; length 696;
Best Local Similarity 100.0%; Pred. No. 3.1e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 HFKPCRDKLAVCLNDGECFVITLTGSHKRCCKEGYGVRCDOFL 47
DB 286 HFKPCRDKLAVCLNDGECFVITLTGSHKRCCKEGYGVRCDOFL 332
RESULT 23
US-09-817-647-2
Sequence 2, Application US/09817647
Patent No. US2002008229A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/817,647

FILING DATE: 26-Mar-2001
CLASSIFICATION: <Unknown>
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 09/107,979
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delire L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: Mouse NRG3 (mNRG3)/amino acid seq.
LOCATION: 1-713
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-817-647-2
Query Match 100.0%; Score 277; DB 9; Length 713;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 HFKPCRDKLAYCLNDGECFVIEITLTGSHKRCRCKEGYGVRCDOFL 47
DB 288 HFKPCRDKLAYCLNDGECFVIEITLTGSHKRCRCKEGYGVRCDOFL 334
RESULT 24
US-09-877-665-2
Sequence 2, Application US/09877665
Patent No. US20020164680A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.; Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPacfin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/877,665
FILING DATE: 08-Jun-2001
CLASSIFICATION: <Unknown>
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Delire L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: Amino Acid

TOPOLOGY: Linear
FEATURE:
NAME/KEY: Mouse NRG3 (mNRG3)/amino acid seq.
LOCATION: 1-713
IDENTIFICATION METHOD:
OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-877-665-2
Query Match 100.0%; Score 277; DB 9; Length 713;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 HFKPCRDKLAYCLNDGECFVIEITLTGSHKRCRCKEGYGVRCDOFL 47
DB 288 HFKPCRDKLAYCLNDGECFVIEITLTGSHKRCRCKEGYGVRCDOFL 334
RESULT 25
US-10-136-573A-2
Sequence 2, Application US/10136573A
Publication No. US20020161200A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
Uses Therefor
FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A
PRIORITY FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 2
LENGTH: 713
TYPE: PRT
ORGANISM: Mus musculus
US-10-136-573A-2
Query Match 100.0%; Score 277; DB 13; Length 713;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 HFKPCRDKLAYCLNDGECFVIEITLTGSHKRCRCKEGYGVRCDOFL 47
DB 288 HFKPCRDKLAYCLNDGECFVIEITLTGSHKRCRCKEGYGVRCDOFL 334
RESULT 26
US-10-215-862-2
Sequence 2, Application US/10215862
Publication No. US20030036165A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
Uses Therefor
FILE REFERENCE: P1084R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
PRIORITY FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-30
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23

Tue Jul 6 11:14:40 2004

us-09-480-977-4.rapb

Page 10

SEQ ID NO 2
LENGTH: 713
TYPE: PRT
ORGANISM: Mus musculus
US-10-215-862-2

Query Match 100.0%; Score 277; DB 14; Length 713;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCKEGYGVRCDFL 47
DB 286 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCKEGYGVRCDFL 334

RESULT 27
US-09-817-647-6
Sequence 6, Application US/09817647
Patent No. US2002008229A1
GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/817,647
FILING DATE: 26-Mar-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/107,979
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-2

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-2066
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 720 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

FEATURE:
NAME/KEY: HNRG3B1 amino acid sequence
LOCATION: 1-720
IDENTIFICATION METHOD:
OTHER INFORMATION:

US-09-817-647-6
SEQUENCE DESCRIPTION: SEQ ID NO: 6:

Query Match 100.0%; Score 277; DB 9; Length 720;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCKEGYGVRCDFL 47
DB 286 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCKEGYGVRCDFL 332

RESULT 28

US-09-877-665-6
Sequence 6, Application US/09877665
Patent No. US20020164680A1
GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor

NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/877,665
FILING DATE: 08-Jun-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998

ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-1

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-2066
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 720 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

FEATURE:
NAME/KEY: HNRG3B1 amino acid sequence
LOCATION: 1-720
IDENTIFICATION METHOD:
OTHER INFORMATION:

US-09-877-665-6
SEQUENCE DESCRIPTION: SEQ ID NO: 6:

Query Match 100.0%; Score 277; DB 9; Length 720;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCKEGYGVRCDFL 47
DB 286 HRPGRDRLAYCLNDGECFVETLTGSHKRCRCKEGYGVRCDFL 332

RESULT 29
US-10-609-370-22
Sequence 22, Application US/10609370
Publication No. US20040048295A1
GENERAL INFORMATION:

APPLICANT: Young et al.
TITLE OF INVENTION: Retegulin-Like Factor

PRIOR APPLICATION DATA:
CURRENT APPLICATION NUMBER: US/10/609,370
CURRENT FILING DATE: 2003-07-01
PRIOR APPLICATION NUMBER: 09/097,681

PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/049,942
PRIOR FILING DATE: 1997-06-17

NUMBER OF SEQ ID NOS: 22
SOFTWARE: PatentIn version 3.2
SEQ ID NO 22

LENGTH: 720
TYPE: PRT
ORGANISM: Homo sapiens
US-10-609-370-22

Query Match 100.0%; Score 277; DB 12; Length 720;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDLDLAYCLNDGECFYIETLTGSHKRCRCRGYGVRCDOFL 47
DB 286 HFKPCRDLDLAYCLNDGECFYIETLTGSHKRCRCRGYGVRCDOFL 332

RESULT 30
US-10-136-573A-6
Sequence 6, Application US/10136573A
Publication No. US20020161200A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A
PRIOR FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 6
LENGTH: 720
TYPE: PRT
ORGANISM: Homo sapiens
US-10-136-573A-6

Query Match 100.0%; Score 277; DB 13; Length 720;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDLDLAYCLNDGECFYIETLTGSHKRCRCRGYGVRCDOFL 47
DB 286 HFKPCRDLDLAYCLNDGECFYIETLTGSHKRCRCRGYGVRCDOFL 332

RESULT 31
US-10-215-862-6
Sequence 6, Application US/10215862
Publication No. US20030036166A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
FILE REFERENCE: P1084R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
PRIOR FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-30
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 6
LENGTH: 720
TYPE: PRT
ORGANISM: Homo sapiens

US-10-215-862-6

Query Match 100.0%; Score 277; DB 14; Length 720;
Best Local Similarity 100.0%; Pred. No. 3.2e-25;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HFKPCRDLDLAYCLNDGECFYIETLTGSHKRCRCRGYGVRCDOFL 47
DB 286 HFKPCRDLDLAYCLNDGECFYIETLTGSHKRCRCRGYGVRCDOFL 332

Search completed: July 6, 2004, 11:08:50
Job time : 380 secs